## Index of Claims

| A | ppli | cation | No. |
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|   |      |        |     |

10/721,934

Examiner

Jason M. Greene

Applicant(s)

GIESEKE ET AL

Art Unit

1724

| 1 | Rejected |
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| _ | (Through numeral)<br>Cancelled |
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Restricted | I | 1

| 2 | Non-Elected  |
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| _ | Interference |

| A | Appeal   |
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| 0 | Objected |

| Cla      | aim      | Ţ.,          |                   |          |         | Da       | te       |           |                     | ,            |                   | Cla      | aim       |                      | Date                |                    |                | ,    | Cla      | aim          |   |                         | (            | Date  | ;        |              |         |
|----------|----------|--------------|-------------------|----------|---------|----------|----------|-----------|---------------------|--------------|-------------------|----------|-----------|----------------------|---------------------|--------------------|----------------|------|----------|--------------|---|-------------------------|--------------|---|----------|--------------|---------|
|          | -m       | 19           | 8                 |          |         |          |          |           |                     |              |                   |          | =         |                      |                     |                    |                | 14.  |          | <del>-</del> |   |                         |              |   |          | İ            |         |
| Final    | Original | 16           | 19                | '        |         |          |          |           |                     | l            | , i               | Final    | Original  |                      |                     |                    |                |      | Final    | Original     |   |                         | 1            |   | ı        |              | ı       |
| ΙĒ       | Ĕ.       |              |                   |          |         |          |          |           | ı                   | l            |                   | 這        | Įξ,       |                      |                     |                    |                |      | Ē        | )ng          |   |                         | 1            |   | ŀ        |              |         |
|          |          | by           | 101               |          | $\perp$ |          |          |           |                     |              |                   |          |           |                      |                     |                    |                | 1 -1 |          |              |   |                         |              |   |          |              |         |
|          | 1        | <u> </u>     | <u> </u>          | L        | $\perp$ | ┸        |          |           |                     | L            |                   |          | 51        |                      |                     |                    |                | - :  |          | 101          |   |                         |              |   |          |              |         |
|          | 2        |              | <u> L</u>         | L        | $\perp$ | $\perp$  | ╧        |           |                     |              |                   |          | 52        |                      |                     |                    |                | 4    |          | 102          | · .   |                         |              |   |          |              |         |
|          | 3        |              |                   | L        | $\perp$ | 1_       | _        | _         | <u> </u>            |              |                   |          | 53        |                      |                     |                    |                |      |          | 103          |   |                         | <u> </u>     |   |          |              | 丄       |
|          | 4        | 1            | _                 | ┖        |         | 1        |          |           |                     |              |                   |          | 54        |                      | $\perp \perp \perp$ |                    | Ш              | =    |          | 104          |   |                         | _            | Ш   |          | $\perp$      | $\bot$  |
|          | 5        | <u> </u>     | <u> </u>          | ╀        | 4       | ╄        | 4        | 1         | <u> </u>            | _            |                   |          | 55        | $\perp \perp \perp$  | $\perp \perp$       |                    | $\perp \perp$  |      |          | 105          |   |                         | <u> </u>     |   | _        | _            | 丄       |
|          | 6        | <u> </u>     | <u> </u>          | L        | -       | <u> </u> |          | 1         | ļ                   | L            |                   | <u> </u> | 56        |                      |                     |                    |                |      |          | 106          |   |                         | L            | Ш   | _        | 4            |         |
|          | 7.       | <u> </u>     | _                 | ╀        | 4       | 1-       | 4        |           | _                   | L            | 47                |          | 57        | $\rightarrow$        |                     |                    |                | Ŧ.   |          | 107          |   |                         |              | Ш   | _        | 4            |         |
|          | . 8      | <b>├</b>     | ┼                 | ╀        | $\bot$  | ╄        | +        | +-        | ↓                   |              | -11               |          | 58        | +++                  | ++                  |                    | $\perp$        |      |          | 108          |   | -                       |              | Ш   | _        | 4            | $\bot$  |
|          | 9        | ╁            | <del> </del> -    | ╀        | +       | +        | +        | -         |                     |              | $\mathcal{F}^{i}$ |          | 59        | $\rightarrow$        | 44                  | 11.                | +              |      |          | 109          |   | -                       | ļ            | $\vdash$  | -        | -            |         |
|          | 10       | ├-           | ╁                 | +        | +       | +        | +        | +-        | <del> </del>        | -            | 35.               |          | 60        |                      | ++                  |                    | 44             |      |          | 110          | $\vdash$  | +                       | ₩            | $\vdash \vdash$                                   |          | 4            | +       |
|          | 11       | ⊢            | +-                | +-       | +       | +        | +        | -         | -                   |              |                   |          | 61        |                      | ++                  | -  -               | $\dashv\dashv$ |      |          | 111          |   |                         | <b>-</b>     | $\vdash \vdash$                                   | $\dashv$ | +            | -       |
| ٠.       | 12       | -            | -                 | -        | +-      | +        | +        | -         |                     |              |                   |          | 62        |                      | ++                  | +                  | +              |      |          | 112          |   | +                       | 1            | $\vdash \vdash$                                   |          | -            | +       |
|          | 14       | $\vdash$     | ╀╌                | +        | +-      | ╀        | +        |           | -                   | <u> </u>     |                   |          | 63        |                      | ++                  | +                  | +              |      |          | 113          |   | +-                      | 1            | $\vdash \vdash$                                   |          | $\downarrow$ | +       |
|          | 15       | -            | ╁                 | ╀        | +-      | ╀        | +-       | +-        | +-                  | <u> </u>     |                   |          | 64<br>65  | +++                  | ++                  | ++                 | +              |      |          | 114          | -+  | +-                      | <del> </del> | $\vdash \vdash$                                   | $\dashv$ | $\dashv$     | +       |
| <u> </u> | 16       | ⊬            | ╁                 | +        | +       | ╁        | +-       | +         | <del> </del>        | -            |                   |          | 66        | +++                  | ++                  | ++                 |                | 4-1  |          | 115<br>116   |   | +-                      |              | $\vdash$  | $\dashv$ | +            | +       |
|          | 17       | -            | -                 | ╁        | +       | +        | ╁        | +         | 1                   |              | . 1               |          | 67        | +++                  | ++                  | ++                 | +{             |      |          | 116          | +   | +                       | $\vdash$     | $\vdash$  | $\dashv$ | +            | +       |
| ·        | 18       | -            | +-                | +        | +       | +        | +        | +         | -                   |              | . ;               |          | 68        |                      |                     | ++                 |                | 94   |          | 118          | +   | +                       | -            | $\vdash$  | -        | +            | +       |
|          | 19       | <del> </del> | +                 | +        | +       | +        | +        | +-        | -                   | -            |                   |          | 69        | <del>-        </del> | ++                  | + +                | +              |      |          | 119          |   | -                       | <del> </del> | Н   | -        | -            | -       |
|          | 20       | -            | $\vdash$          | +        | +       | ╁        | +        | +         | +                   |              | . 27.             |          | 70        |                      | +-                  |                    | +              | - }  | -        | 120          | -   |                         | -            |   |          | -            | +       |
| 7        | 21       | _            | =                 | +        | +-      | ╁        | ╁┵       | ╁         | -                   |              |                   |          | 71        | <del></del>          | +                   |                    | +              |      |          | 121          |   | +                       | -            | $\vdash$  | $\dashv$ | +            | +       |
| 7        | 22       | 7            | 17                | 1        | +       | +        | ╁╌       | +         | -                   | <del> </del> |                   |          | 72        | +++                  | ++                  | ++                 | +              |      | $\dashv$ | 122          | -   | +-                      | ├            | $\dashv$  |          | +            |         |
| 9        | 23       | H            | H                 | -        | +-      | +        | +-       | +-        |                     | H            |                   |          | 73        | <del></del>          | ++                  | <del></del>        | +- $-$ i       | . }  |          | 123          | -   | +                       | $\vdash$     | $\dashv$  | -+       | $\dashv$     | +       |
| 3        | 24       | H            | $\dagger \dagger$ | $\vdash$ | +       | ╁        | ✝        | +         |                     |              |                   |          | 74        |                      | ++                  | <del>     </del> - | +-             | .    |          | 124          | -   | +                       |              | $\vdash$  |          | +            | +       |
| 8        | 25       | 11           | Ħ                 | t        | +       | ✝        | 1        | 1         |                     | -            |                   |          | 75        |                      | +                   | 11                 | +-1            |      |          | 125          |   | +-                      | $\vdash$     |   |          |              | +       |
| 7        | 26       | 11           | 11                | †        | $\top$  | T        | T        | ╁         | ╁                   |              |                   |          | 76        | +++                  |                     | ++                 | 11             |      |          | 126          |   | +                       |              | H   | $\dashv$ | +            | +       |
| 2        | 27       | Ħ            | П                 |          | +       | +-       | +        | $\top$    |                     |              |                   |          | 77        |                      | 11                  | <del>     </del>   | 1-1            |      |          | 127          | +   | +                       | -            | $\vdash$  | -        | -            | +       |
| 67880    | 28       | $\sqcap$     | Ħ                 | Т        | 1       | 1        | 1        |           |                     |              |                   |          | 78        |                      | 11                  | 11                 | +              |      | *        | 128          | $\top$  | 1                       |              | $\dashv$  | 寸        | $\dashv$     | $\top$  |
| 9        | 29       | П            | П                 | Π        | T-      | 1.       | T        |           |                     |              |                   |          | 79        |                      |                     | 1                  | 1              |      |          | 129          | _   |                         |              |   | -        | 1            | +       |
| 10       | 30       | П            |                   | Γ        | 1       | Τ        |          |           |                     | _            |                   |          | 80        |                      | 11                  |                    |                |      |          | 130          | $\top$  |                         |              |   | 一        | T            | +       |
| 1/2      | 31       | T            |                   | Г        | Т       | Т        |          | 1         |                     |              |                   |          | 81        |                      | 11                  |                    | $\top$         |      | 一        | 131          |   |                         |              | $\dashv$  | 寸        | -            | +       |
| 12       | 32       | =            |                   |          |         |          | Т        |           |                     |              |                   |          | 82        |                      | 11                  |                    |                | -    |          | 132          | $\top$  |                         |              | $\neg$  |          | $\top$       | 1       |
| 18       | 33       | V            |                   |          | 1.      |          |          |           |                     |              |                   |          | 83        |                      |                     | TT.                |                |      |          | 133          |   | T                       |              |   | 7        | $\top$       |         |
| 18       | 34       | V            | П                 |          |         |          |          |           |                     |              |                   |          | 84        |                      |                     |                    |                |      |          | 134          |   |                         |              | $\neg$  |          | T            |         |
| S        | 35       | V            |                   |          | 1       |          |          |           | Ш                   |              |                   |          | 85        |                      |                     |                    | Ш              |      |          | 135          |   |                         |              |   | _1       |              | T       |
| 16       | 36       | 0            | Ш                 | $\perp$  | 1_      | 1        | 1_       | <u> </u>  |                     |              | #4[               |          | 86        |                      |                     | $\Box$             |                | -[   |          | 136          | $oldsymbol{oldsymbol{oldsymbol{oldsymbol{\Box}}}$ |                         |              | J   | J        | I            | I       |
| 12       | 37       |              | 11                | L        |         | L        | <u> </u> | $\perp$   | Ш                   |              |                   |          | 87        |                      |                     |                    |                |      |          | 137          |   |                         |              |   |          |              | $\perp$ |
| 18       | 38       | <b>V</b>     | Ш                 | 1        | 4-      | $\perp$  | 丰        |           |                     |              | 7                 |          | 88        |                      | $\perp \perp$       |                    |                |      |          | 138          |   |                         |              | $oldsymbol{oldsymbol{oldsymbol{oldsymbol{\Box}}}$ |          |              |         |
| 18       | 39       | =            | $\coprod$         | _        | 1_      |          | ╄-       | Ш         |                     |              |                   |          | 89        |                      | $\perp \perp$       | $\perp \perp$      |                |      |          | 139          |   | $oxed{\Box}$            |              | $\Box$  | I        | $\Box$       |         |
| 21<br>21 | 40       | L            | 1                 | Ŀ        | 1_      | 1        | 1_       | $\square$ |                     |              | 4                 |          | 90        |                      | 11                  |                    | $\perp$        |      |          | 140          |   | $\perp$                 | Ш            | $\bot$  | $\perp$  |              | L       |
| 2/       | 41       | _            | 1                 | $\vdash$ | _       | 1        | $\perp$  | $\vdash$  | -                   |              |                   |          | 91        |                      | 44                  | $\bot \bot$        |                | - [  |          | 141          |   | ļ.,                     | Ш            |   | $\perp$  | $\perp$      | $\perp$ |
| 22       | 42       | -            | 1                 | ļ.,      |         | ├-       | 1        | $\vdash$  |                     | _            | ŝ.                |          | 92        |                      | $\bot\bot$          | 1                  | 11             |      |          | 142          | $\bot$  | 1                       |              | $\perp$   | $\perp$  |              | $\perp$ |
| 23       | 43       | H            | 4                 | -        | -       | -        | 4—       | $\vdash$  | $\vdash \downarrow$ | _            |                   |          | 93        | +                    | 41-                 | $\perp \perp$      | Ш              | 1    |          | 143          |   | $\perp$                 | Ш            | _   | 4        | ┸            | $\bot$  |
|          | 44<br>45 | -            | -                 | $\vdash$ | +       | -        | ┼        | $\square$ | $\vdash \downarrow$ |              | -                 |          | 94        |                      | ++                  | <del>  -</del>     | 11             | ୍ଦା  |          | 144          |   | $\sqcup$                | $\sqcup$     | -1  | 4        | _            | $\bot$  |
|          |          | $\vdash$     |                   |          | ╁       | -        | $\vdash$ | +         | $\vdash \dashv$     | $\dashv$     | -                 |          | 95        |                      | ++                  | +                  | 4-1            |      |          | 145          |   | Ш                       | Ш            | _   | 4        | _            | _ _     |
|          | 46<br>47 |              | -                 | $\vdash$ | ╀       | -        | ┼        | $\vdash$  | $\vdash$            |              | - }               |          | 96        | +++                  | ++-                 | +                  | +              | -    | $\dashv$ | 146          |   | $\vdash$                | $\sqcup$     | $\dashv$  | -        | $\perp$      | $\bot$  |
|          | 48       |              |                   | -        | +       | -        | +        | $\vdash$  | $\vdash$            | -            | - }               |          | 97        | +++                  |                     | +                  | 1-1            | 1    |          | 147          |   | $\sqcup$                |              | $\perp$   | $\perp$  | $\bot$       | +       |
|          | 49       | $\vdash$     |                   |          | +       | -        | +        | $\vdash$  | $\vdash \dashv$     | ᅴ            | +                 |          | 98        | + + +                | +                   |                    | +              | ŀ    |          | 148          | $\perp$   | $\sqcup$                |              | -   | 4        |              | 4       |
|          | 50       | $\dashv$     |                   |          | 1       | $\vdash$ | ╁        | ╁╼┤       | $\dashv$            | ᅱ            |                   |          | 99<br>100 | +++                  | +                   | +                  | -              | L    |          | 149          | +   | $\downarrow \downarrow$ | $\vdash$     |   | 4        | +            | +       |
|          | 50       | نــ          |                   | _        |         |          | щ        |           |                     |              | :::L              | 1        | 100       |                      | 11                  |                    | ئ <b>لل</b>    | : L  | 1        | 150          |   | ┸┛                      | I            | 丄   | 丄        |              |         |